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[redacted]  
Copy 6 of 6  
3 April 1963

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MEMORANDUM FOR THE RECORD

SUBJECT: Discussion with [redacted] Re: 428,  
Mayflower Hotel, Washington, D. C., 2 April 1963 (Meeting  
arranged by [redacted] per John Parangosky, OSA)

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1. Between 1300 and 1500 hours on 2 April 1963, the undersigned explored some basic physical problems with [redacted] on an unclassified basis of possible interest to our program.

2. The sputtering of Ti under operating conditions appears to be a subminimal problem that need not be worried about until more concrete information, probably of an experimental nature, shows us that it is a problem of concern.

3. From what is now known, it is conceivable that first knowledge of a deleterious effect of Ti-sputtering would be seen on insulators of antennae (even though recessed below the skin).

4. Should operating conditions change to lower pressure, higher temperature, higher voltage gradients, noble gases, then Ti-sputtering will become an increasingly important problem.

5. AR materials and techniques were discussed in a general way with the conclusions that much more need be done and learned.

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[redacted]  
Engineering and Analysis Division  
OSA/DRR

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OSA/EAD [redacted] : jrh(4 Apr 63)

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